

ABSTRACT

IN PHASE QUADRATURE AND SLAVED WORKING FREQUENCY  
SIGNAL GENERATOR

An in phase quadrature signal generator including a phase shifter (1) that receives at an input terminal (2) an input signal ( $V_{in}$ ) supplied to phase shifting means (3,4) formed of passive elements, arranged for delivering at first and second output terminals, first (Out\_I) and second (Out\_Q) in phase quadrature signals. This generator is characterised in that it further includes, between the phase shifting means and the output terminals, transconductor means (11, 12) having a transconductance proportional to the passive elements, arranged so as to obtain a transfer function between said first and second in phase quadrature signals independent of said passive elements.

Figure 2